



[IPN Home](#) | [Search](#) | [Order](#) | [Shopping Cart](#) | [Login](#) | [Site Map](#) | [Help](#)



JP62070401A2: PRODUCTION OF CARBOXYALKYLCHITOSAN GRANULE

[View Images \(1 pages\)](#)

Country: **JP Japan**

Kind:

Inventor(s): **ITOYAMA MITSUNORI
YABE HIROAKI**

Applicant(s): **FUJI BOSEKI KK**
[News, Profiles, Stocks and More about this company](#)

Issued/Filed Dates: **March 31, 1987 / Sept. 24, 1985**

Application Number: **JP1985000210731**

IPC Class: **C08B 37/08; B01J 20/26; B01D 15/00; B01J 39/22; C07K 3/18; C12N 11/10;**

Abstract: **Purpose:** To obtain carboxyalkylchitosan granules having a desired particle diameter, by first molding low-MW chitosan as a starting material into granules of any desired particle diameter and subjecting them to a series of chemical treatments while retaining their shapes.

Constitution: Low-MW chitosan is dissolved in an aqueous acid solution, and this solution is dropped into a basic solution to form chitosan granules. The obtained chitosan granules are converted into regenerated chitin granules by N-acetylation and the obtained granules are treated with a crosslinking agent and the carboxylated, or alternately the above chitosan granules are first treated with a crosslinking agent and the converted into regenerated crosslinked chitin granules by N-acetylation, and these granules are carboxyalkylated. In this way, carboxyalkylchitin granules are formed. The obtained carboxyalkylchitin granules are deacetylated. COPYRIGHT: (C)1987,JPO&Japio

Other Abstract Info: none

Foreign References: (No patents reference this one)



[Nominate this invention for the Gallery...](#)

Alternative Searches

 [Patent Number](#)

 [Boolean Text](#)

 [Advanced Text](#)

Browse

 [U.S. Class by title](#)

 [U.S. Class by number](#)

 [IBM Technical Disclosure Bulletin](#)